

ASWIN THOMAS

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Career objective

Seeking a suitable position in a firm which provides excellent professional growth opportunity in Mechanical/product design & 3D Modelling.

Qualifications and experience

First class Bachelor of Technology degree in Mechanical Engineering.

- University : Mahatma Gandhi University, Kottayam, Kerala, India
- College : Holy Kings College of Engineering, Ernakulam, Kerala, India
- Year of graduation : 2015

7 months experience as **mechanical draftsman** in a workshop that manufactures hydraulic recovery vehicles, special purpose machines etc.

- Company : Dino hydraulics, Kodimatha, Kottayam, Kerala, India
- Period of Work : 04 Oct 2017 till date.

Skills

- Free hand sketching
- Strong attention to detail in design
- Problem solving skills and creative ability
- Knowledge of structural & sheet metal fabrication
- Knowledge of basic machining workshop activities
- Basic knowledge of DFA & DFM
- Aesthetic sense in design
- Able to deal with complex assemblies in CAD
- 2D & 3D CAD:

Solidworks

2D & 3D Sketching, Part Modelling, Surface modelling, Sheet metal design, Weldments & structural design, Assembly (parts & subassembly), Conversion of models to 2D drawing.

Autocad

2D Drafting and annotations, 3D Basics.

Job responsibilities

- Interaction with clients about product requirements.
- Idea generation & free hand sketching for determination of shapes, relative sizes & arrangement of parts.
- Preparation of rough layouts to compute angles, areas, fits, radii etc. as per requirements.
- Discussion with clients, seniors, head workmen, supervisors about functionality, aesthetics, economical factors & manufacturability of the product.
- 3D modelling and assembly of parts.
- Analysis of basic factors like interference and weight.
- Updating & correcting designs if required.
- Preparation of 2D drawings for part dimensions & fabrication details and their documentation.
- Coordination with fabrication and machining workshops for effective project completion.
- Coordination with accounts department for cost estimation & bill generation.
- Supervision of small & medium budget works & recording labour, time sheet and material data.
- Providing data (render images & working details) & assistance for preparing product brochures and instruction manuals.

Projects undertaken

- Concrete mixer for JCB 3DX front loader - A special purpose mixer machine which can be fitted onto JCB 3DX instantly mixes concrete and diffuses it using a hydraulic motor powered by the vehicles power pack itself.
- Hydraulic earth drill – A machine which uses hydraulic power to drill earth using bits ranging from 150-300mm diameter. Major application is making earth pits during construction of Electrical substations.

Other experiences

17 months (1st feb 2016 to 30th june 2017) experience as **mechanical site supervisor** for **structural works** in the organization **Ray Engineering limited** for **Integrated Refinery Expansion Project (IREP)**, Cochin refinery, cochin, Kerala, India.

School education

- Passed Higher Secondary Course with distinction from St.Michaels HSS(State Board), Kaduthuruthy, Kottayam, Kerala, India in 2011.
- Passed Secondary School Course with distinction from De paul HSS(State Board), Kuravilangad, Kottayam, Kerala, India in 2009.

Personal information

- Contact address : Neendusseril (H), Memury (PO), Kottayam, Kerala-686611, India.
- Gender : Male
- Date of Birth : 08-02-1993
- Nationality : Indian
- Languages Known : English, Malayalam & Hindi
- Marital Status : Single
- Current Location : Kottayam, Kerala, India

Declaration

I hereby declare that all the information given above are true to the best of my knowledge.

19-05-2018

Kottayam



AswinThomas